

Subpart D—Leclanche Subcategory

- 461.40 Applicability; description of the Leclanche subcategory.
- 461.41–461.42 [Reserved]
- 461.43 New source performance standards (NSPS).
- 461.44 Pretreatment standards for existing sources (PSES).
- 461.45 Pretreatment standards for new sources (PSNS).

Subpart E—Lithium Subcategory

- 461.50 Applicability; description of the lithium subcategory.
- 461.51–461.52 [Reserved]
- 461.53 New source performance standards (NSPS).
- 461.54 [Reserved]
- 461.55 Pretreatment standards for new sources (PSNS).

Subpart F—Magnesium Subcategory

- 461.60 Applicability; description of the magnesium subcategory.
- 461.61–461.62 [Reserved]
- 461.63 New source performance standards (NSPS).
- 461.64 Pretreatment standards for existing sources (PSES).
- 461.65 Pretreatment standards for new sources (PSNS).

Subpart G—Zinc Subcategory

- 461.70 Applicability; description of the zinc subcategory.
- 461.71 Effluent limitations representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available (BPT).
- 461.72 Effluent limitations representing the degree of effluent reduction attainable by the application of the best available technology economically achievable (BAT).
- 461.73 New source performance standards (NSPS).
- 461.74 Pretreatment standards for existing sources (PSES).
- 461.75 Pretreatment standards for new sources (PSNS).

AUTHORITY: Secs. 301, 304 (b), (c), (e), and (g), 306 (b) and (c), 307 (b) and (c), 308 and 501 of the Clean Water Act (the Federal Water Pollution Control Act Amendments of 1972, as amended by the Clean Water Act of 1977) (the “Act”); 33 U.S.C. 1311, 1314 (b), (c), (e), and (g), 1316 (b) and (c), 1317 (b) and (c), and 1361; 86 Stat. 816, Pub. L. 92–500; 91 Stat. 1567, Pub. L. 95–217.

SOURCE: 49 FR 9134, Mar. 9, 1984, unless otherwise noted.

GENERAL PROVISIONS

§ 461.1 Applicability.

This part applies to any battery manufacturing plant that discharges or may discharge a pollutant to waters of the United States or that introduces pollutants to a publicly owned treatment works. Battery manufacturing operations subject to regulation under this part shall not be subject to regulation under part 413 or 433.

§ 461.2 General definitions.

In addition to the definitions set forth in 40 CFR part 401, the following definitions apply to this part:

(a) “Battery” means a modular electric power source where part or all of the fuel is contained within the unit and electric power is generated directly from a chemical reaction rather than indirectly through a heat cycle engine. In this regulation there is no differentiation between a single cell and a battery.

(b) “Battery manufacturing operations” means all of the specific processes used to produce a battery including the manufacture of anodes and cathodes and associated ancillary operations. These manufacturing operations are excluded from regulation under any other point source category.

(c) “Ancillary operations” means all of the operations specific to battery manufacturing and not included specifically within anode or cathode manufacture (ancillary operations are primarily associated with battery assembly and chemical production of anode or cathode active materials).

(d) “Plate soak” shall mean the process operation of soaking or reacting lead subcategory battery plates, that are more than 2.5 mm (0.100 in) thick, in sulfuric acid.

(e) “Discharge allowance” means the amount of pollutant (mg per kg of production unit) that a plant will be permitted to discharge. For this category the allowances are specific to battery manufacturing operations.

(f) “Miscellaneous wastewater streams” shall mean the combined wastewater streams from the process operations listed below for each subcategory. If a plant has one of these

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streams then the plant receives the entire miscellaneous waste stream allowance.

(1) *Cadmium subcategory*. Cell wash, electrolyte preparation, floor and equipment wash, and employee wash.

(2) *Lead subcategory*. Floor wash, wet air pollution control, battery repair, laboratory, hand wash, and respirator wash.

(3) *Lithium subcategory*. Floor and equipment wash, cell testing, and lithium scrap disposal.

(4) *Zinc subcategory*. Cell wash, electrolyte preparation, employee wash, reject cell handling, floor and equipment wash.

(g) "Trucked batteries" shall mean batteries moved into or out of the plant by truck when the truck is actually washed in the plant to remove residues left in the truck from the batteries.

§ 461.3 Monitoring and reporting requirements.

The "monthly average" regulatory values shall be the basis for the monthly average discharge in direct discharge permits and for pretreatment standards. Compliance with the monthly discharge limit is required regardless of the number of samples analyzed and averaged.

§ 461.4 Compliance date for PSES.

The compliance date for pretreatment standards for existing sources is March 9, 1987.

Subpart A—Cadmium Subcategory

§ 461.10 Applicability; description of the cadmium subcategory.

This subpart applies to discharges to waters of the United States, and introductions of pollutants into publicly owned treatment works from the manufacturing of cadmium anode batteries.

§ 461.11 Effluent limitations representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available (BPT).

(a) Except as provided in 40 CFR 125.30 through 125.32, any existing point source subject to this subpart must achieve the following effluent limitations representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available:

(1) Subpart A—Pasted and Pressed Powder Anodes.

BPT EFFLUENT LIMITATIONS

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	Metric units—mg/kg of cadmium	
	English units—pounds per 1,000,000 pounds of cadmium	
Cadmium	0.92	0.41
Nickel	5.18	3.43
Zinc	3.94	1.65
Cobalt	0.57	0.24
Oil and grease	54.00	32.40
TSS	111.00	52.65
pH	(¹)	(¹)

¹ Within the range of 7.5 to 10.0 at all times.

(2) Subpart A—Electrodeposited Anodes.

BPT EFFLUENT LIMITATIONS

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	Metric units—mg/kg of cadmium	
	English units—pounds per 1,000,000 pounds of cadmium	
Cadmium	237.0	104.6
Nickel	1,338.2	885.2
Zinc	1,017.6	425.2
Cobalt	146.4	62.7
Oil and grease	13,940.0	8,364.0
TSS	28,577.0	13,592.0
pH	(¹)	(¹)

¹ Within the range of 7.5 to 10.0 at all times.

(3) Subpart A—Impregnated Anodes.